

## Supplemental Environmental Projects For Region 7

<b>Name of Organization:</b>	Water Education Foundation 717 K Street, Suite 317 Sacramento, CA 95814 916-444-6240 <a href="http://www.watereducation.org/">http://www.watereducation.org/</a>
<b>Contact Person:</b>	Katie Kolarich, Development Assistant ( <a href="mailto:kkolarich@watereducation.org">kkolarich@watereducation.org</a> )  Tanya Kleinman, Development Director ( <a href="mailto:tkleinman@watereducation.org">tkleinman@watereducation.org</a> )
<b>Name of Project:</b>	Distribution of creative nonpoint source pollution publication materials
<b>Location of Project:</b>	Region-wide, can be tailored for specific watershed
<b>Categories of SEP relevance:</b>	Public Awareness Project— Environmental Education, Pollution Prevention and Reduction
<b>Project Description:</b>	<p>The Water Education Foundation will distribute specified non-point source pollution publication materials published by the Foundation. Examples of materials that the discharger can choose include:</p> <ul style="list-style-type: none"><li>▪ California Water Facts Brochures</li><li>▪ Water Facts (Slide Cards)</li><li>▪ You Auto Not Pollute (Facts Slide Cards)</li><li>▪ Preventing Pollution (Facts Slide Cards)</li><li>▪ No – Know Game (Board Games), teaches children about drinking water and how to avoid contributing to nonpoint source pollution</li><li>▪ Cleaning up our Act (Facts Slide Cards)</li><li>▪ Where does your water come from? The Drinking Water Source Book</li><li>▪ Water Conservation Kit</li></ul> <p>These non-point source pollution publication materials are not location-specific, as such which materials are distributed will be tailored to be relevant to the particular discharger ACL violation. The publication materials will be distributed to local stakeholders, local schools, and community members. This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating the public about nonpoint source pollution and promoting the use of best practices which are designed to eliminate or reduce the amount of pollution contributed by current practices. The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.</p>
<b>Cost of project:</b>	\$5000

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**Name of Project:** Community Town Hall Meeting Facilitation

**Location of Project:** Region-wide

**Categories of SEP relevance:** Environmental Education, Pollution Prevention, Pollution Reduction

**Project Description:** One Town Hall Meeting in a community setting will be facilitated by Water Education Foundation. The meeting will focus on urban stormwater runoff and nonpoint source pollution. The public would be invited and the Foundation would work with the regional board to recruit the appropriate speakers. The cost of this project will include distribution of appropriate materials to the participants.

This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating the public about water quality and promoting the use of best practices which are designed to eliminate or reduce the amount of pollution contributed by current practices.

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**Cost of project:** \$10,000

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<b>Name of Project:</b>	Stakeholder Education Seminar
<b>Location of Project:</b>	Discharger Service Area
<b>Categories of SEP relevance:</b>	Environmental Education, Pollution Prevention, Pollution Reduction
<b>Project Description:</b>	<p>The one-day Stakeholder Educational Seminar will focus on a water quality topic related to the discharge violation. Some potential topics include:</p> <ul style="list-style-type: none"><li>▪ Agricultural Drainage</li><li>▪ Pesticide/Fertilizer Use</li><li>▪ Nitrate Management</li><li>▪ Preventing Pollution from New Construction</li><li>▪ Groundwater Contamination</li><li>▪ Management of Stormwater Runoff</li><li>▪ Water Quality Wildlife-friendly Practices for Farms</li><li>▪ Desalinization</li><li>▪ Animal Feeding Operation Waste Disposal</li><li>▪ Best Practices for Auto Dismantlers</li></ul> <p>The Foundation would work with the regional board to recruit the appropriate speakers. The cost of this project will include distribution of appropriate materials to the participants.</p> <p>This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating dischargers about how to mitigate their impact on water quality and by promoting the use of best management practices which are designed to eliminate or reduce the amount of pollution contributed by current practices.</p> <p>The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.</p>
<b>Cost of project:</b>	\$25,000

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<b>Name of Project:</b>	Two Project WET Workshops for 40 educators/ facilitators
<b>Location of Project:</b>	Discharger Service Area
<b>Categories of SEP relevance:</b>	Environmental Education, Pollution Prevention, Pollution Reduction
<b>Project Description:</b>	<p>Project WET (Water Education for Teachers) is a national high quality, effective K-12 inter-disciplinary program for formal and non-formal educators. Project WET is correlated to California State Frameworks for Science, History/Social Science and English/Language Arts, and allows educators to integrate water education into the teaching of basic skills. Project WET is consistent with the realities of problem solving practices in water resources today and prepares students to think critically and work cooperatively. Schools without access to Project WET include schools in rural and urban low-income regions. A partnership between the discharger and Water Education Foundation will help resolve this very important educational shortcoming. Project WET provides educators with easy-to-use and fun activities that provide future leaders with this information.</p> <p>Water Education Foundation will conduct two WET workshops for a total of up to 40 elementary school teachers. If 40 educators each reach 30 students and their families, the workshops would reach over 1200 students. In addition, teachers who are trained to use these water education materials tend to continue to use them year after year. Since there are no consumables in these programs, this means the investment in trainings is multiplied over subsequent years. In year two, if approximately 40 educators use materials with their next 1200 students the initial cost of the training is then spread over 2400 students, cutting the cost of the original investment in-half.</p> <p>WEF will also produce quarterly "Project WET Gazettes" for electronic distribution to the Project WET teachers. These newsletters are geared for teachers with helpful hints on water education, and updates on events and courses related to Professional Development through water education.</p> <p>This project will contribute to the enhancement of the beneficial uses of the waters of the state by training elementary school teachers for teaching about water as part of their general curriculum, thereby exciting students, our future water leaders, about the study of water and emphasizing its importance in our daily lives.</p>

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**Cost of project:** \$15,000

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<b>Name of Project:</b>	Hands on Water Quality Testing Workshop for 20 Educators
<b>Location of Project:</b>	Region-wide
<b>Categories of SEP relevance:</b>	Environmental Education, Pollution Prevention Pollution Reduction
<b>Project Description:</b>	<p>The workshop will familiarize teachers with water quality testing techniques, as well as lessons on the science behind water quality testing. The workshop will use the respected "Healthy Water Healthy People" (HWHP) Educators Guide and the Test Kit manual as the basis of this hands-on workshop. The workshop will provide skills and materials necessary for educators to conduct stream monitoring activities with their students to connect them to the real world of water quality in their own neighborhoods. In addition, the HWHP kit fulfills the California science standards.</p> <p>The HWHP Educators Guides for grades 6-12 has 25 hands-on, science based activities that are references to testing kits, and the testing kit manual. This 200-page guide is designed to raise awareness and understanding of water quality topics and their relationship to personal, public and environmental health. Teachers participating in the 6-hour workshop will receive the HWHP Guide, a 75-page Technical Test Kit Manual, training in the lessons, and testing techniques as well as training in the use of Pasco Pasport Probeware and LaMotte water quality test kits. One Pasco Probeware kit (\$515) and one LaMotte test kit (\$415) will be given away in a drawing at the end of the workshop. We believe this enticement will draw many educators to the workshop.</p> <p>This project will contribute to the enhancement of the beneficial uses of the waters of the state by training middle and high school teachers for the teaching of water quality analysis and by exciting middle and high school students, our future water leaders, about the study of water quality science and helping them to understand stormwater runoff and pollution prevention.</p> <p>The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.</p>
<b>Cost of project:</b>	\$15,000

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**Name of Project:** Radio Minutes on Pollution Prevention

**Location of Project:** Discharger Service Area

**Categories of SEP relevance:** Environmental Education, Pollution Prevention, Pollution Reduction

**Project Description:** Water Education Foundation will write, produce and purchase air time for several 30 seconds to one-minute water quality messages for the public about nonpoint source pollution and what the public can do to be part of the solution. The messages will be tailored to particular watershed issues and run on local radio stations as paid announcements and public service announcements. Messages will also be posted on Water Education Foundation web site. These 30 second to one minute water quality messages can be produced in Spanish for an additional fee.

This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating the public about water quality and promoting the use of best practices which are designed to eliminate or reduce the amount of pollution contributed by current practices.

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**Cost of project:** \$20,000, additional cost to produce radio campaign will vary according to amount of airtime purchased

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**Name of Project:** Video and DVD – “Go with the Flow” - non-point pollution

**Location of Project:** Discharger Service Area

**Categories of SEP relevance:** Environmental Education, Pollution Prevention, Pollution Reduction

**Project Description:** A 10-minute video will be created for junior high and high school students. This creative non-point source pollution video will be tailored toward teenage viewership and will include the underlying message that all water flows to rivers, bays, estuaries and eventually to the ocean. In the video, three high school students will visit sites around their school and home to learn about stormwater runoff and nonpoint source pollution. Copies will be distributed to the local County Office of Education and to area junior high and high schools.

This project will contribute to the enhancement of the beneficial uses of the waters of the state by getting middle and high school students, our future water leaders, thinking about water and it's agricultural, urban and environmental uses in California and the possible future consequence of today's personal actions on water pollution.

The Foundation has extensive experience producing high profile PBS programs that address complicated water topics. These programs have been very successful; the Foundation has received 2 regional Emmys for public broadcasting programs.

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**Cost of project:** \$35,000



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<b>Name of Project:</b>	Layperson's Guide to Water Pollution Update
<b>Location of Project:</b>	Region-wide
<b>Categories of SEP relevance:</b>	Environmental Education, Pollution Prevention, Pollution Reduction
<b>Project Description:</b>	<p>Originally published in 1996, the 20-page Layperson's Guide to Water Pollution introduces readers to the problems associated with water pollution and possible solutions. The Guide introduces the reader to the Clean Water Act and to types of pollution and explains the concept of nonpoint source pollution and its effects on California's surface water and groundwater supplies. The Guide educates readers about the major pollutants associated with nonpoint discharges, explains the costs and consequences of such pollution, and offers further insight into nonpoint source pollution issues through regional case studies. Finally, the Guide explores potential solutions to reduce nonpoint source pollution and introduces the public to the concept of watershed management.</p> <p>It has been ten years since this guide was published. The publication needs significant modifications, and will be expanded to include more thorough discussion of water pollution issues. New information will be added on the treatment of point source pollutants prior to their discharge. The Guide will also explore progress made on fulfilling the Clean Water Act's goals of ensuring that our waters are "fishable and swimmable." Information on nonpoint source pollution control efforts will be added, explaining the concepts of total maximum daily loads and Best Management Practices. This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating the public about how everyday practices result in increased pollution of surface water and groundwater. Furthermore, the public will learn how they can help solve the problem of nonpoint source pollution. The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.</p>
<b>Cost of project:</b>	\$40,000

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<b>Name of Project:</b>	One-day Regional Conference/Public Briefing on Water Pollution with Information Material
<b>Location of Project:</b>	Region-wide, can be tailored for specific watershed
<b>Categories of SEP relevance:</b>	Environmental Education, Pollution Prevention, Pollution Reduction
<b>Project Description:</b>	<p>The one-day conference will focus on point source and nonpoint source water pollution with an emphasis on discharger problems. The particular discharge problem can be tailored according to the ACL complaint through consultation with the particular discharger and the Regional Quality Control Board. Examples of some non-point source issues include agricultural runoff, urban runoff, and stormwater contamination. The nonpoint source issues can be tailored to address particular watersheds as relevant to the ACL order. Panels will focus on identifying the relevant water quality problems, how they are being addressed, and what the stakeholders/public can do to help fix the problems.</p> <p>Cost of the project will include materials for distribution to workshop participants and free registration. The conference will provide an unbiased setting and an avenue to open discussions on water pollution issues from both the discharger's viewpoint and the State Board regulatory requirements. Water Education Foundation has a stellar reputation of successfully bringing together alternative viewpoints and opening discussions to facilitate a better understanding of the primary problems/issues facing a local area.</p> <p>This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating the public about water quality and promoting the use of best practices which are designed to eliminate or reduce the amount of pollution contributed by current practices. The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.</p>
<b>Cost of project:</b>	\$50,000

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<b>Name of Project:</b>	Implementing the Ahwahnee Principles: a Guide for Small Municipalities
<b>Location of Project:</b>	Region-wide
<b>Categories of SEP relevance:</b>	Environmental Education, Pollution Prevention, Pollution Reduction
<b>Project Description:</b>	<p>Cities and counties are facing major challenges with water contamination, storm water runoff, flood damage liability, and concerns about whether there will be enough reliable water for current residents as well as for new development. These issues impact city and county budgets and taxpayers. Regional and local planners believe they have found a way to balance these demands in the Ahwahnee Water Principles for Resource Efficient Land Use, a set of guidelines adopted in early 2005 by the Local Government Commission. The Water Principles emphasize certain development features for water quality improvement, flood protection, and groundwater recharge.</p> <p>The Water Education Foundation will write, produce, and distribute <i>Implementing the Ahwahnee Principles: a Guide for Small Municipalities</i>, a 16 page illustrated booklet on the Principles written in layperson's language. The booklet would include an in-depth discussion of the Ahwahnee Principles with examples of how they have been applied in practice. The State Water Resources Control Board is very interested in seeing the Principles followed by local development agencies. Disseminating information on how low impact development can better manage urban runoff and conserve water would help cities learn to meet the demands of future development in California. If the growing population is to be accommodated within existing water resources, cities, especially smaller ones, will need to apply the Principles.</p> <p>This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating small municipalities about development concepts that will improve water quality and by promoting their use. The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.</p>
<b>Cost of project:</b>	\$35,000 to produce and distribute guide \$45,000 with workshop

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**Name of Project:** Layperson's Guide to Agricultural Drainage Update

**Location of Project:** Discharger Service Area

**Categories of SEP relevance:** Environmental Education, Pollution Prevention, Pollution Reduction

**Project Description:** As the nation's leading farm state, California farmers sold \$20.7 billion worth of crops in 2003. However, some of the state's most productive farming areas have poorly drained, naturally saline soils. Salination of this soil reduces crop productivity and disposal of this salt is one of the state's most difficult issues. Debate continues over statewide regulation of agricultural drainage as a source of nonpoint source pollution. The Layperson's Guide to Agricultural Drainage, an illustrated, 20 page booklet, reviews the science of agricultural drainage, explores regional drainage problems and remedies in key areas and discusses what is being done to uncover workable solutions to drainage problems.

The updated version of the Layperson's Guide to Agricultural Drainage will feature several important new developments that have occurred since the publication's last revision in 2001, including the State Water Resources Control Board's decision to allow conditional waivers to agricultural discharges. The development of conditional waiver programs by several regional boards is challenging growers on millions of acres to adopt new approaches to controlling runoff to creeks, drains and canals. Other issues to be addressed include emerging standards for selenium and the U.S. Bureau of Reclamation's plan to provide completion of the San Luis Drain.

This project will contribute to the enhancement of the beneficial uses of the waters of the state by educating farmers and the public about water quality associated with agricultural drainage and by promoting the use of best management practices which are designed to eliminate or reduce pollution. The proposed project is not independently required of any discharger or proposed as mitigation to offset the impacts of a discharger's projects. The SEP shall not directly benefit the SWRCB or RWQCB functions or staff.

**Cost of project:** \$45,000

## Supplemental Environmental Projects For Region 7

**Name of Organization:** Salton Sea Authority  
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**Contact Person:** Dan Cain, project Manager  
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**Name of Project:** Salton Sea Community Fish Cleanup

**Location of Project:** Salton Sea

**Categories of SEP relevance:** Pollution Prevention and Reduction

**Project Description:** The Sea is a closed basin and sustained by point and non-point source discharges of wastes. Anoxic conditions caused by the cumulative impact of chemical, physical, and biological reactions within the Sea trigger massive fish die offs. The project consists of removing and properly dispose off of the dead fish from residential and public areas surrounding the Sea.

**Cost of project:** \$69,564

## Supplemental Environmental Projects For Region 7

**Name of Organization:** Salton Sea Authority  
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**Contact Person:** Dan Cain, project Manager  
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**Name of Project:** Imperial Valley Wetlands Operation and Maintenance

**Location of Project:** Imperial County

**Categories of SEP relevance:** Pollution Prevention, Reduction, and Environmental Education

**Project Description:** The Citizens Congressional Task Force on the New River has three constructed wetlands in the Imperial Valley. One is located off of Weinert Rd and is fed by water from the Rice 3 Drain. The second wetland project is located in Brawley and pumps water from the New River. The third wetland is located adjacent to the City of Westmorland's wastewater treatment plant and treats effluent from that treatment plant. The Salton Sea Authority (SSA) is working in conjunction with the Bureau of Reclamation (BOR), Imperial Irrigation District, and Desert Wildlife Unlimited as members of the Task Force to construct two more wetland sites. These sites are identified as Shank Road/Alamo River Wetlands (AR21) and Holtville/Alamo River Wetlands (AR30), and will be constructed along the Alamo River. The requested SEP funding will be allocated for O&M for the new Shank Road site, and the existing Imperial and the Brawley wetlands. The estimated yearly

**Cost of project:** \$32,450